

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141876 Mode: Highway Status: Submitted

I-40

From/Cross Street: US 25A (Sweeten Creek Road)

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,660,000

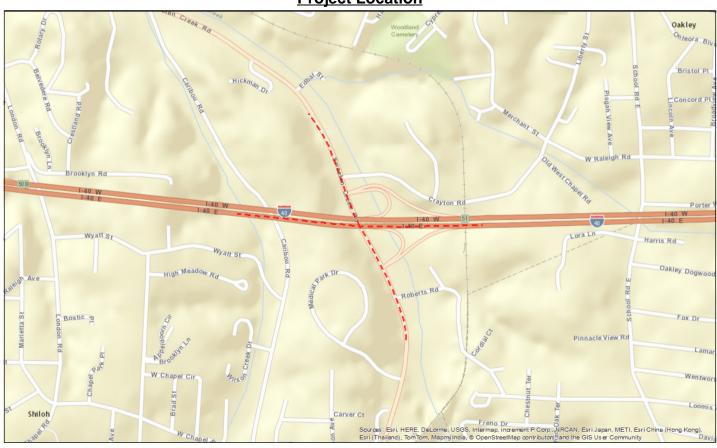
Description:

Upgrade interchange - EB ramp

Division(s): Division 13 **County(s):** BUNCOMBE

MPOS(s)/RPO(s): French Broad River MPO

Project Location



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Statewide Mobility Total Score: 32.09

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) Safety (10%) Economic Competitiveness (10%) Multimodal + [Freight & Military] (20%) [Travel Time] Benefit/Cost (30%) Totals: Weight: 100% Weighted Score:	70.44 50.00 1.54 26.19 1.87	N/A	N/A

Regional Impact Total Score: 40.44

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) Safety (10%) [Travel Time] Benefit/Cost (25%) Accessibility / Connectivity (10%) Totals: Weight: 70% Weighted Scor	70.44 50.00 1.87 23.64 e: 25.44	Percent: 15% Points: 100	Percent: 15% Points: 0

Division Needs Total Score: 44.46

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%) Totals: Weight: 50% Weighted Score	70.44 50.00 1.87 e: 19.46	Percent: 25% Points: 100	Percent: 25% Points: 0

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Project Data *

Existing Conditions

Existing Cross-Section: Speed Limit: 60 Length (miles); Freeway Facility Type: Full Access Control: Functional Classification: Interstate Terrain Type: Rolling Lane Width: 12 Paved Shoulder Width: 10 Roadway has Curb & Gutter? No 70908.79 Volume (AADT): Capacity: 101103.94 Volume/Capacity Ratio: 0.7 % Autos: 93% 7% % Trucks: Truck Volume: 5238.65 0 Crash Density: 0 Crash Severity: 0 Critical Crash Rate: Crash Frequency: 33.3 Severity Index: 66.7 County Tier Designation: Non-Interstate STRAHNET No Route? Average Commuting Time: 19 Existing Median Type (for Divided Cost Estimation): Pavement Condition Rating: 92 29.74 Actual Congested Speed: Travel Time Index: 1.51

Project Benefits

Project Cross-Section:	
Speed Limit:	60
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	1288000
Travel Time Savings for 30 Years (Autos):	1192844.15
Travel Time Savings for 30 Years (Trucks):	95155.85
Long-Term Employment:	24.9
% Change in Economy:	5.83E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	FBRMPO CTP
CTP/LRTP Completion Year:	2014
Submitted by:	Division 13

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^{*} Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

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Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 13	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$13,500,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,160,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$15,660,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$15,660,000	

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